



How to change front ball  
joint on **RENAULT**  
**Megane I Grandtour**  
**(KA)** – replacement guide

## SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

### **i Important!**

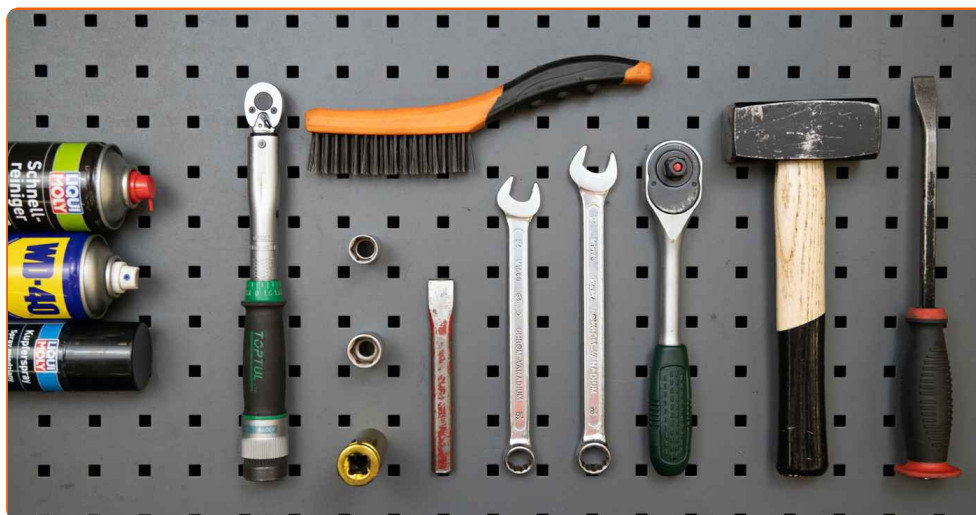
This replacement procedure can be used for:

RENAULT Megane I Grandtour (KA) 1.9 D, RENAULT Megane I Grandtour (KA) 1.9 dTi,  
RENAULT Megane I Grandtour (KA) 1.9 dCi

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: RENAULT Megane Scenic (JA) 1.6 16V

## REPLACEMENT: BALL JOINT – RENAULT MEGANE I GRANDTOUR (KA). LIST OF THE TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Torque wrench
- Combination spanner #16
- Combination spanner #18
- Drive socket # 16
- Drive socket # 18
- Wheel impact socket #19
- Ratchet wrench
- Flat chisel
- Crow bar
- Hammer
- Wheel chock

**Buy tools**

Replacement: ball joint – RENAULT Megane I Grandtour (KA). AUTODOC experts recommend:

- The replacement procedure is identical for the left and right ball joints.
- Please note: all work on the car – RENAULT Megane I Grandtour (KA) – should be done with the engine switched off.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

**1** Secure the wheels with chocks.

**2** Loosen the wheel mounting bolts. Use wheel impact socket #19.



**3** Raise the car.

Replacement: ball joint – RENAULT Megane I Grandtour (KA). Tip from AUTODOC experts:

- If you are using a jack, make sure it rests on a flat surface without any unevenness.
- Be sure to additionally secure the car with jack stands.

4

Unscrew the wheel bolts.



### AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts.  
RENAULT Megane I Grandtour (KA)

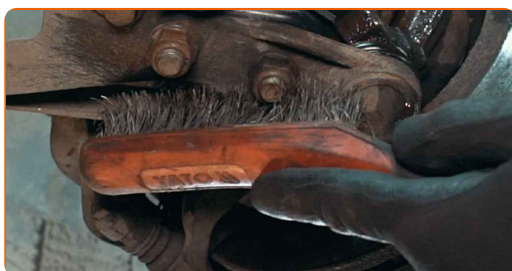
5

Remove the wheel.

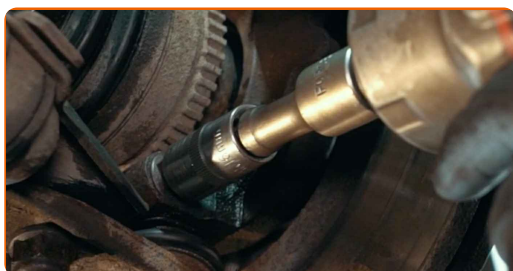


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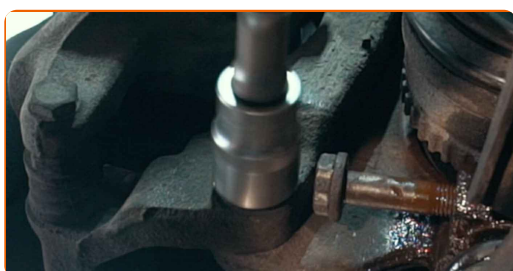
Clean the fastener connecting the ball joint to the steering knuckle. Use a wire brush. Use WD-40 spray.



- 7 Unscrew the ball joint fastening to the steering knuckle. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



- 8 Unscrew the caliper bracket fastening. Use a drive socket #18. Use a ratchet wrench.



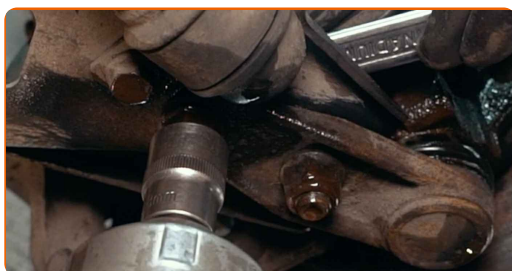
- 9 Remove the fastening bolt.



- 10 Clean the fasteners connecting the ball joint to the suspension control arm. Use a wire brush. Use WD-40 spray.



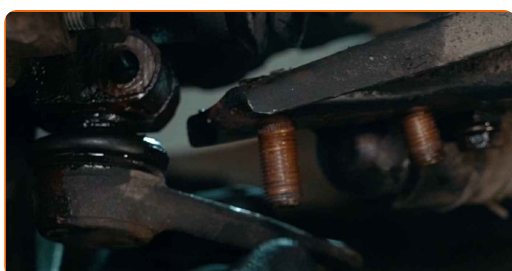
- 11** Unscrew the fastener connecting the ball joint to the suspension control arm. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.



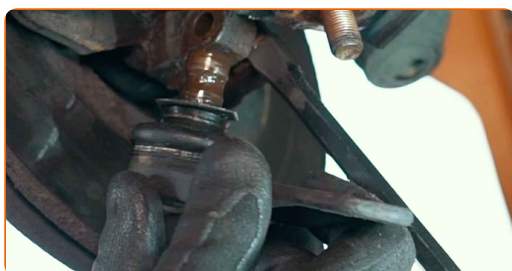
- 12** Release the fastener connecting the ball joint to the steering knuckle. Use a crowbar.



- 13** Disconnect the ball joint from the control arm.



- 14** Disconnect the ball joint from the steering knuckle. Use a flat metal-working chisel. Use a hammer.



- 15** Clean the ball joint mounting seat. Use a wire brush.

- 16** Install a new ball joint.

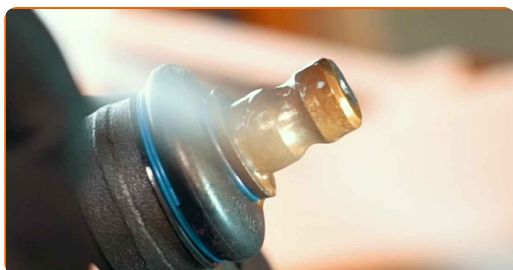


Replacement: ball joint – RENAULT Megane I Grandtour (KA). AUTODOC experts recommend:

- Do not damage the ball joint cover.

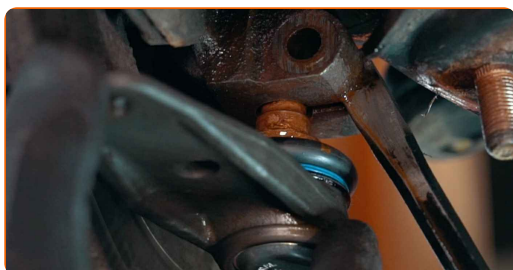
17

Treat the fasteners of the ball joint. Use copper grease.



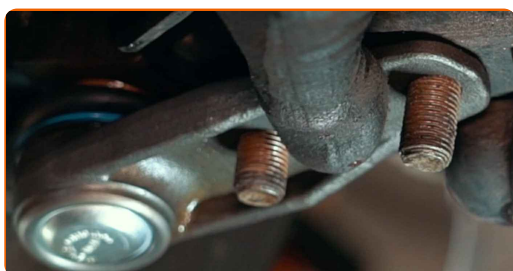
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Connect the ball joint to the steering knuckle.



19

Attach the ball joint to the control arm.



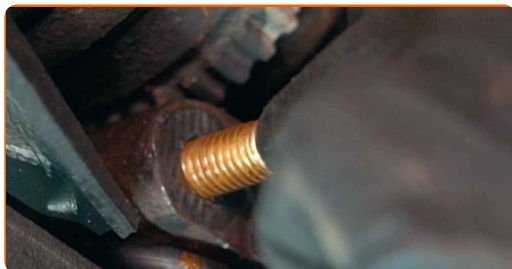
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Screw in the fastener connecting the ball joint to the control arm. Use a combination spanner #18. Use a drive socket #18. Use a ratchet wrench.

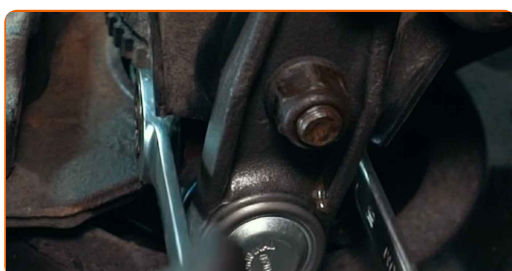




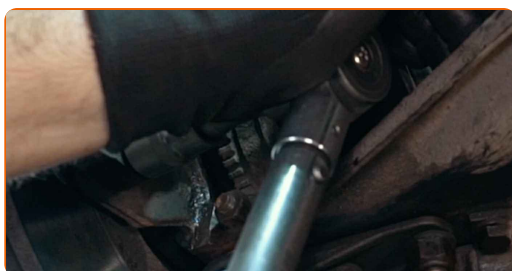
**21** Install the fastening bolt.



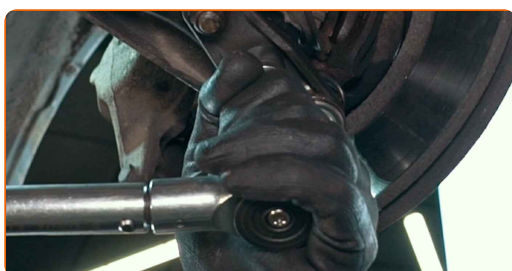
**22** Screw the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #16. Use a drive socket #16. Use a ratchet wrench.



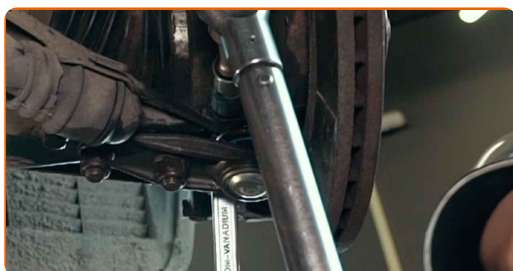
**23** Tighten the brake caliper bracket. Use a drive socket #18. Use a torque wrench. Tighten it to 100 Nm torque.



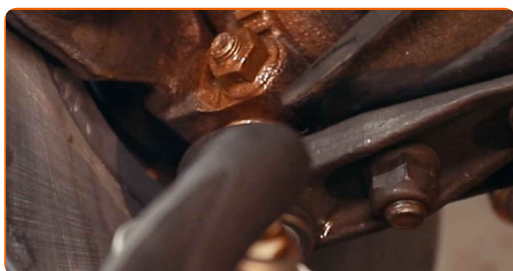
**24** Tighten the fasteners connecting the ball joint to the control arm. Use a drive socket #18. Use a torque wrench. Tighten it to 75 Nm torque.



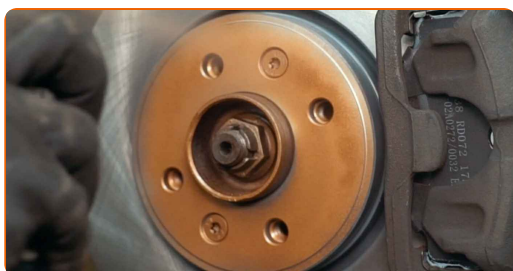
- 25** Tighten the fastener connecting the ball joint to the steering knuckle. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 55 Nm torque.



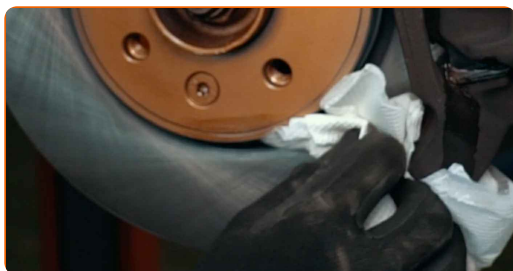
- 26** Treat the fasteners of the ball joint. Use copper grease.



- 27** Treat the surface where the brake disc contacts the wheel rim. Use copper grease.



- 28** Clean the brake disc surface. Use a brake cleaner.

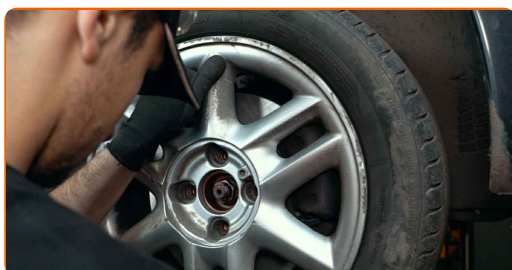


### AUTODOC recommends:

- Replacement: ball joint – RENAULT Megane I Grandtour (KA). After applying the spray, wait a few minutes.

29

Install the wheel.

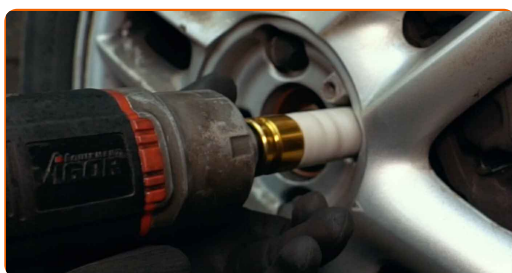


### AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while screwing in the fastening bolts on the car. RENAULT Megane I Grandtour (KA)

30

Screw in the wheel bolts. Use wheel impact socket #19.



31

Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #19. Use a torque wrench. Tighten it to 90 Nm torque.



32

Remove the jacks and chocks.



Replacement: ball joint – RENAULT Megane I Grandtour (KA). Tip from AUTODOC experts:

- After replacing the component, it is advisable to realign the wheels using a wheel aligner.

**WELL DONE!** 👍

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**BALL JOINT: A WIDE SELECTION**

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